

Fig. 2

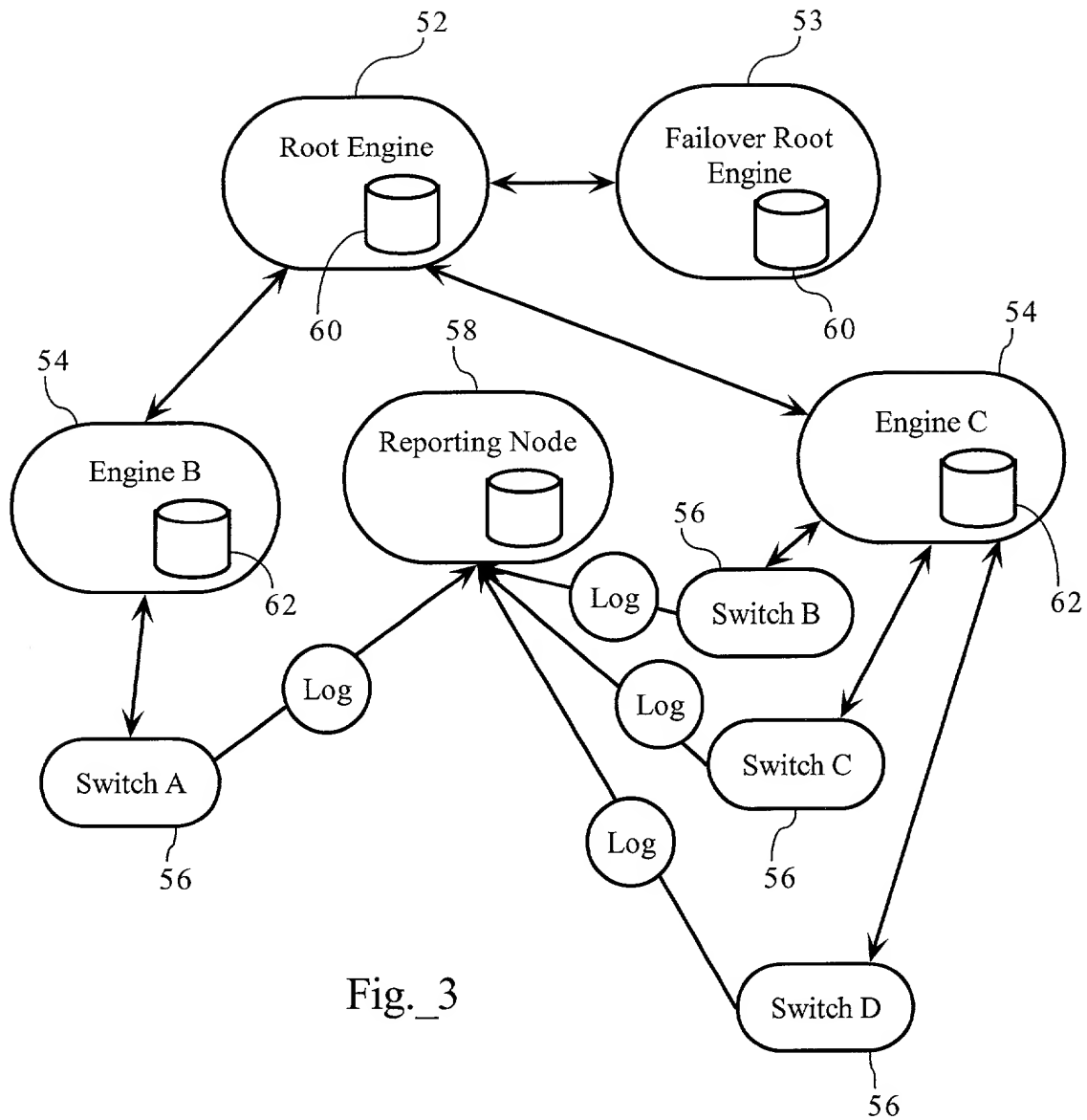


Fig.\_3

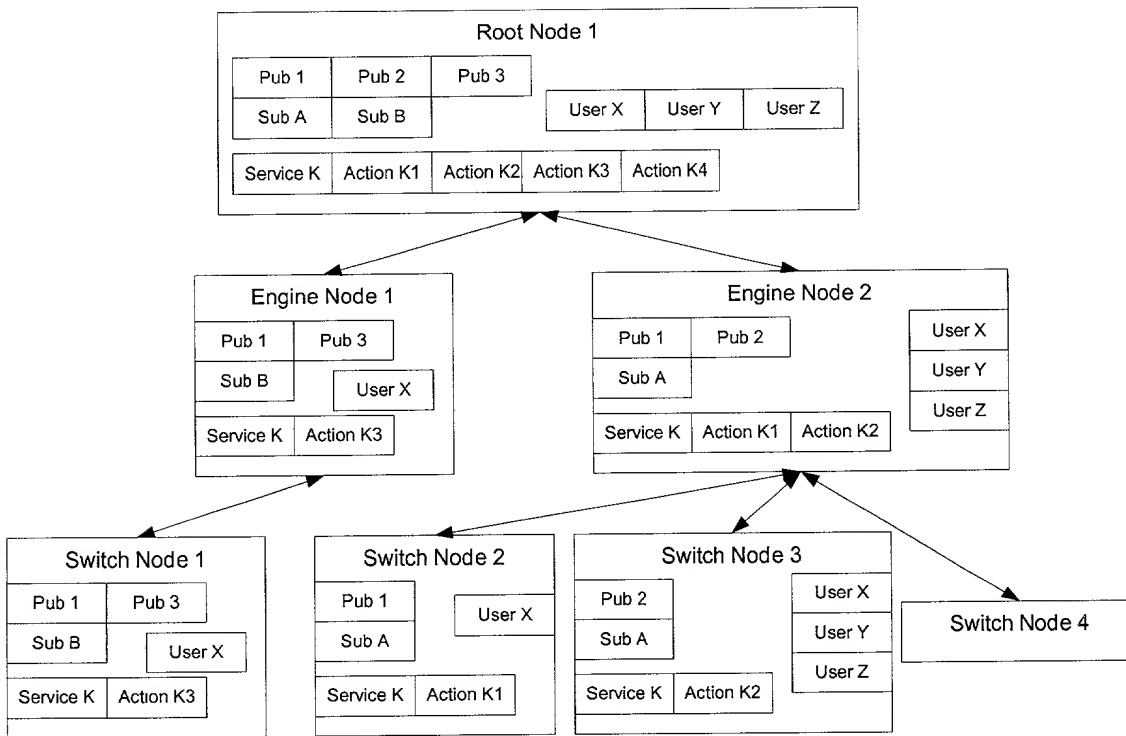


Fig.\_4

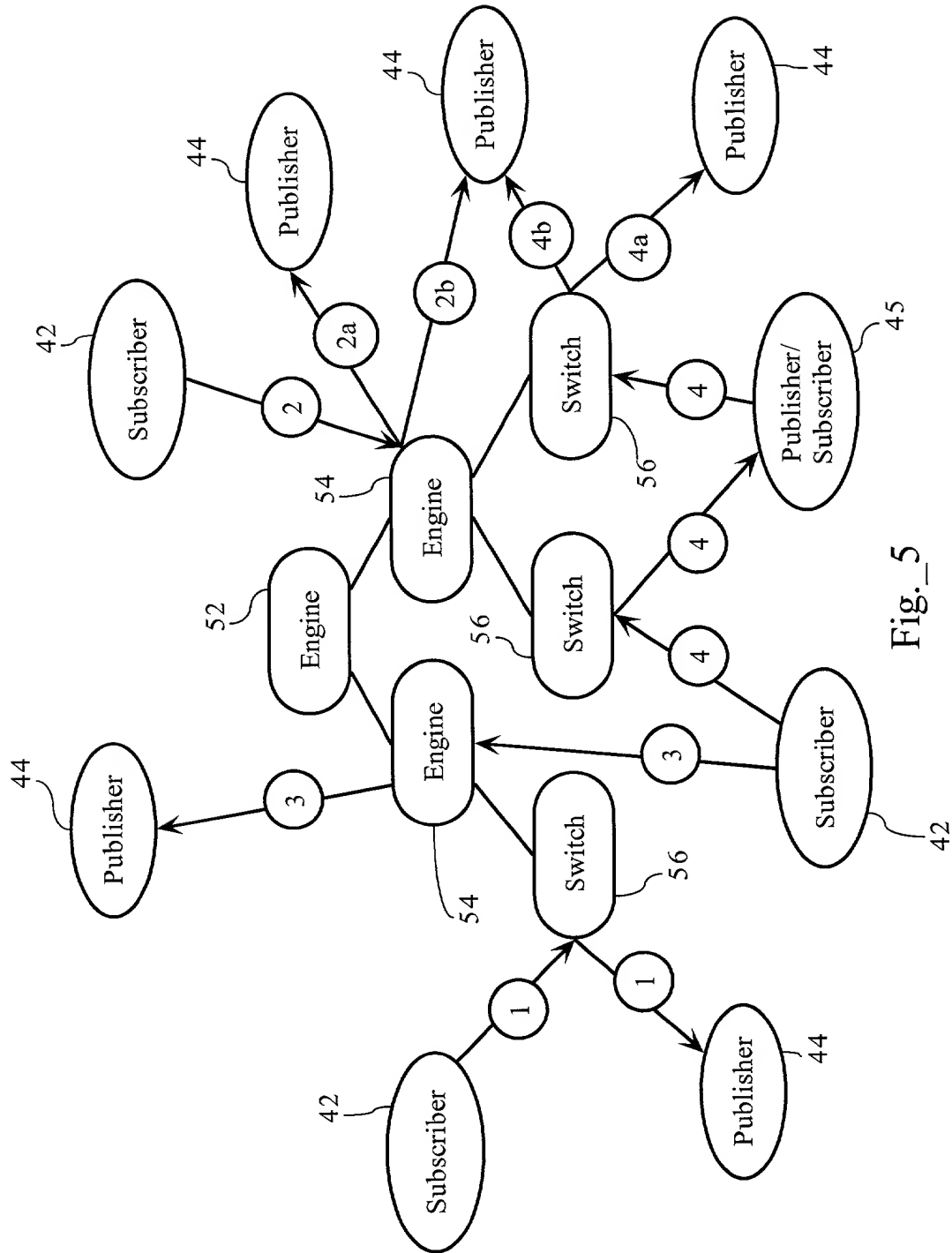
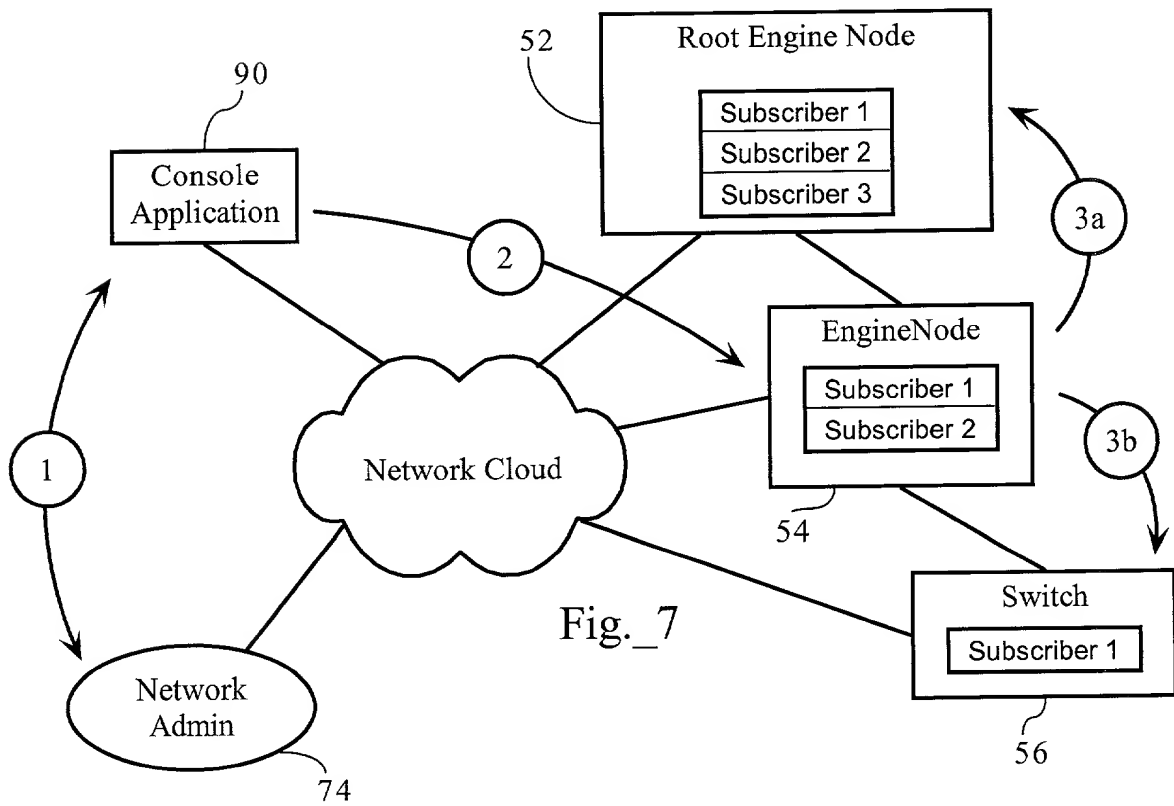
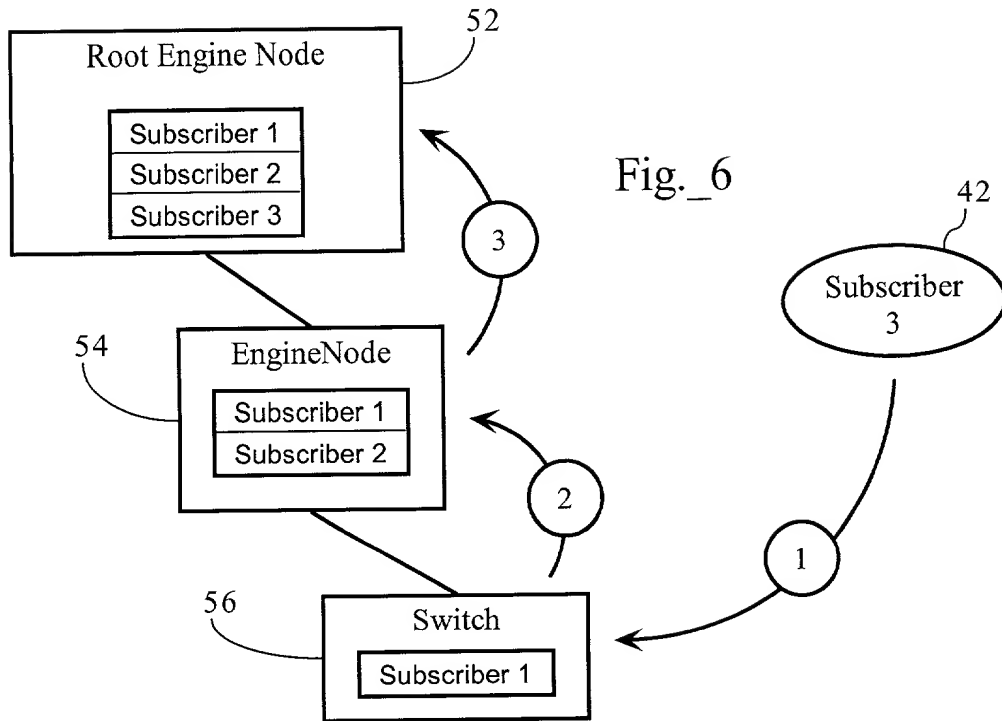


Fig. 5



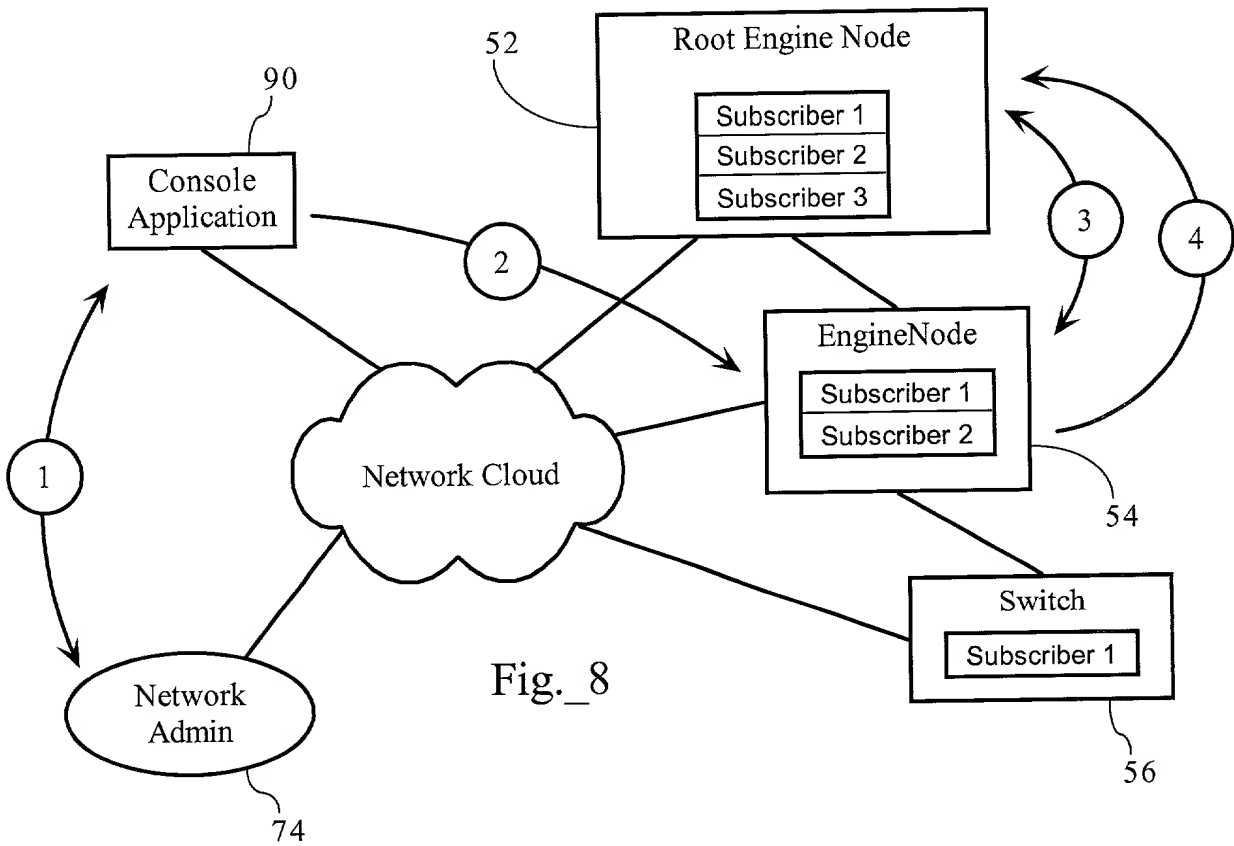


Fig.\_8

| Routing Entity | Local Routing Table | Chile Node A    | Child Node B    |
|----------------|---------------------|-----------------|-----------------|
| Subscriber X   | 12/10/02; 17:26     | 12/12/02; 11:16 | 10/12/02; 10:53 |
| Subscriber Y   | 12/19/02; 15:05     | 12/19/02; 15:51 | 12/20/02; 13:15 |
| Publisher X    | 12/5/02; 13:27      | 1/3/03; 16:14   | 1/4/03; 16:15   |
| Service X      | 12/1/02; 16:21      | 12/5/02; 16:22  | 12/4/02; 18:16  |
| Action X       | 1/6/03; 18:45       | 1/5/03; 14:17   | 1/7/03; 19:21   |
| End-User X     | 12/21/02; 15:11     | 12/22/02; 15:16 | 12/21/02; 19:16 |

Fig.\_9